

IN THE CLAIMS:

1. (Previously presented) An agrichemically effective solid formulation in powder or granular form and comprising:
 - a. sulfur-containing active ingredient solids in an agrichemically effective amount, wherein said active ingredient solids may emit volatile sulfur-based odors that are generally objectionable to human perception,
 - b. 0-90 wt% of an aromatic solvent for said active ingredient, and
 - c. a masking agent comprising a terpene or oxygenated derivative thereof in an amount sufficient to reduce human perception of objectionable odors from said sulfur-containing active ingredient solids.
2. (Canceled)
3. (Original) A formulation according to claim 1 wherein said active ingredient comprises phosphoroamido(di)thioate solids.
4. (Previously presented) A formulation according to claim 1 wherein said active ingredient solids comprise acephate.
5. (Previously presented) A formulation according to claim 1 wherein said masking agent comprises citral, camphor, alpha-pinene, beta-pinene, terpineol or limonene.
6. (Previously presented) A formulation according to claim 1 wherein said masking agent comprises an essential oil.
7. (Original) A formulation according to claim 6 wherein said essential oil smells like a citrus fruit.
8. (Original) A formulation according to claim 7 wherein said essential oil smells like lemon, lime, or a combination of lemon and lime.

9. (Original) A formulation according to claim 6 wherein said essential oil has been synthesized.
10. (Previously presented) A formulation according to claim 1 wherein said formulation further comprises a binder.
11. (Original) A formulation according to claim 10 wherein said binder is a polymer.
12. (Original) A formulation according to claim 11 wherein said binder comprises a polyalkylene oxide.
13. (Original) A formulation according to claim 12 wherein said binder comprises a polyethylene oxide.
14. (Previously presented) An insecticidally effective formulation in powder or granular form and comprising:
 - a. phosphoroamido(di)thioate solids in an insecticidally effective amount, wherein said solids emit odors that may be objectionable to human perception,
 - b. a masking agent comprising a terpene or oxygenated derivative thereof in an amount sufficient to reduce human perception of objectionable odors from said formulation.
15. (Original) An insecticidally effective formulation according to claim 14 wherein said masking agent comprises citral, camphor, alpha-pinene, beta-pinene, terpineol or limonene.
16. (Original) A formulation according to claim 14 wherein said masking agent comprises an essential oil.
17. (Original) A formulation according to claim 16 wherein said essential oil smells like citrus fruit.

18. (Original) A formulation according to claim 17 wherein said essential oil smells like lemon, lime, or a combination of lemon and lime.
19. (Original) A formulation according to claim 16 wherein said essential oil has been synthesized.
20. (Original) A formulation according to claim 14 wherein said formulation further comprises a binder.
21. (Original) A formulation according to claim 20 wherein said binder is a polymer.
22. (Original) A formulation according to claim 21 wherein said binder comprises a polyalkylene oxide.
23. (Original) A formulation according to claim 22 wherein said binder comprises a polyethylene oxide.
24. (Original) A formulation according to claim 20 wherein said essential oil has been sprayed onto a granule comprising said phosphoroamido(di)thioate solids and said binder.
25. (Original) A formulation according to claim 20 wherein said essential oil has been admixed with said phosphoroamido(di)thioate solids and said binder and extruded to form a solid granule.
26. (Previously presented) A process for making granules containing insecticidally effective phosphoroamido(di)thioate extrudates, said process comprising the steps:
extruding at ambient temperatures an extrusion mixture comprising
phosphoroamido(di)thioate solids, a binder, and less than 5 wt% water to form
homogeneous extrudates,
drying said extrudates to a moisture content of less than 1 wt%, and
spraying an anhydrous masking agent onto the dried extrudates.

27. (Original) A process according to claim 26 wherein said phosphoroamido(di)thioate solids comprise acephate.
28. (Previously presented) A process according to claim 26 wherein said extrusion mixture also comprises silica as an anticaking agent.
29. (Original) A process according to claim 26 wherein the extrusion mixture is essentially homogeneous and consists essentially of 0.2-0.75 wt% of a polyalkylene oxide binder, no more than 1.5 wt% silica powder, 2-4 wt% water, and phosphoroamido(di)thioate solids.
30. (Previously presented) An insecticidally active composition made according to the process of claim 26 and comprising:
phosphoroamido(di)thioate solids,
a water soluble polymeric binder,
an optional anticaking agent,
less than 5 wt% water, and
a masking agent in an amount effective to mask human perception of objectionable odors from said phosphoroamido(di)thioate solids.
31. (Original) A composition according to claim 30 wherein said phosphoroamido(di)thioate solids comprise acephate.
32. (Original) A composition according to claim 30 wherein said water soluble polymeric binder comprises a polyalkylene oxide.
33. (Original) A composition according to claim 32 wherein said polymeric binder comprises polyethylene oxide or polybutylene oxide.
34. (Previously presented) A composition according to claim 30 in the form of a dried granule comprising:

at least 95 wt% acephate.
0.1-1 wt% polyalkylene oxide,
no more than 1.5 wt% silica but in an amount sufficient to act as an anticaking agent,
less than 0.5 wt% water, and
an essential oil as a masking agent for odors from said acephate.

35. (Previously presented) An agrichemically effective formulation comprising:
- an agrichemically effective active ingredient in an agrichemically effective amount, wherein said active ingredient may emit odors that are generally objectionable to human perception,
 - a polymeric binder for said active ingredient, wherein said binder comprises a polyalkylene oxide,
 - 0-90 wt% of an aromatic solvent for said active ingredient,
 - a masking agent comprising a terpene or oxygenated derivative thereof in an amount sufficient to reduce human perception of objectionable odors from said formulation.
36. (Previously presented) A formulation according to claim 35 wherein said active ingredient comprises phosphoroamido(di)thioate.
37. (Previously presented) A formulation according to claim 1, wherein said sulfur-containing active ingredient is an extruded solid having less than 5 wt% water, and said masking agent is coated onto said extruded solid.
38. (Previously presented) A formulation according to claim 37, wherein said masking agent is sprayed onto said extruded solid and where the masking agent is anhydrous.
39. (Previously presented) An agrichemically effective formulation of claim 35, wherein said agrichemically effective ingredient, polymeric binder and aromatic solvent are an extruded solid, and where said masking agent is coated on said extruded solid by spraying.

40. (New) A process for making an agrichemically effective solid formulation in powder or granular form, said process comprising:
admixing phosphoroamido(di)thioate solids with a terpene or oxygenated derivative thereof as a masking agent in an amount sufficient to reduce the human perception of objectionable odors from the formulation.
41. (New) The process of claim 40, wherein said phosphoroamido(di)thioate solids are sprayed with said masking agent.
42. (New) The process of claim 41, wherein said phosphoroamido(di)thioate solids are acephate solids and said masking agent is a lemon oil.
43. (New) The process of claim 40, wherein said masking agent is an essential oil.
44. (New) An agrichemically effective solid formulation in powder or granular form, said formulation being produced by a process comprising the step of:
admixing sulfur-containing active ingredient solids in an agrichemically effective amount, said active ingredient emitting objectionable volatile sulfur-based odors, with a terpene or oxygenated derivative thereof in an amount sufficient to reduce human perception of objectionable odors from the sulfur-containing active ingredient.
45. (New) The agrichemically effective solid formulation of claim 44, wherein said active ingredient is acephate and said terpene is an essential oil of lemon.
46. (New) The agrichemically effective solid formulation of claim 45, wherein said acephate solids are sprayed with said essential oil.
47. (New) The agrichemically effective solid formulation of claim 45, wherein said process comprises:
extruding a mixture of said acephate and a binder and thereafter spraying the extrudate with said essential oil.